

## RESIDENTIAL ONLY

Thomas Collins Building, Suite 5  
540 S. DuPonty Hwy  
Dover, DE 19901  
Phone: 302 744-1220  
Fax: 302 739-1957



**DELAWARE HEALTH  
AND SOCIAL SERVICES**  
Division of Public Health  
Environmental Health Field Services

Sussex County Health Unit  
544 South Bedford Street  
Georgetown, DE 19947  
Phone: 302 856-5122  
Fax: 302 856-5065

### PLUMBING PERMIT APPLICATION

(PLUMBING PERMIT TO BE SECURED 24 HOURS BEFORE WORK STARTS)

Name of Plumber (Print or Type) \_\_\_\_\_ Date \_\_\_\_\_

Signature & Licence Number of Plumber \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Builder/Contractor \_\_\_\_\_ Property Owner \_\_\_\_\_

The following abstract of specification of plumbing with description and plan is submitted for approval:

#### JOB SITE INFORMATION

Road Number \_\_\_\_\_ Lot Number \_\_\_\_\_

Road Name \_\_\_\_\_ Nearest Town \_\_\_\_\_

911 Number \_\_\_\_\_ Kent County or Sussex County \_\_\_\_\_

Directions to job site, be specific: \_\_\_\_\_

#### DESCRIPTION OF PLAN

Number of Stories \_\_\_\_\_

		FIXTURES	SOIL OR WASTE PIPE		VENT PIPE	
		How Many	Size	Material	Size	Material
BATH	Water Closet					
	Lavatory					
	Bath Tub					
	Shower					
	Bidet					
KITCHEN	Kitchen Sink					
	Dishwasher					
	Ice Maker					
UTILITIES	Washer					
	Utility Sinks					
	O/S Hose Bib					
	O/S Shower					
	Water Conditioner					
	Water Heater					
OTHER	Bar Sink					

#### FOR OFFICIAL USE ONLY

Types of Inspections Requested:  
(48 Hour Notice Required)

1. UG

2. RI

3. F

PERMIT ISSUED \_\_\_\_\_ NO: \_\_\_\_\_

\_\_\_\_\_  
Plumbing Inspector

DOC. # 35-05-20/07/02/07

## **HOMEOWNER INFORMATION**

A homeowner may install plumbing in his own home; however, a plumbing permit must be obtained. The work must be done in accordance with State of Delaware Regulations Governing a Detailed Plumbing Code and must be inspected by a State Plumbing Inspector.

### **UNDERGROUND INSPECTION**

Inspection of any plumbing that will be under ground. Inspection must be made while under test, before concrete is poured.

### **ROUGH-IN INSPECTION**

Inspection must be made of any plumbing that will be concealed by walls. Inspection must be made while under test, before walls are installed.

### **FINAL INSPECTION**

Inspection must be made when all fixtures have been set and the water system and hot water heater are operating.

An **air** or **water test** must be placed on all drainage and water piping.

You must provide this office with your permit number when requesting an inspection.



A cleaner must be used on all plastic piping and fittings before the solvent is used. The solvent used must be for the **exact** same type of pipe used. "All purpose" solvents are prohibited.

Purple primer and PVC cement must be used on all PVC pipes and fittings.

Clear primer and CPVC cement, orange in color, must be used on all CPVC pipes and fittings.

Hangers and supports must be installed on pipes at least every four feet.

A sleeve must be used on the pipe that passes through the foundation wall.

Lead-free solder is permitted.

All underground pipes must be no less than 2" in diameter. Water lines underground must not be less than 160 lb. p.s.i.

Each dwelling must have at least one 3" vent and vents must be extended at least 12" above the roof.

All fixtures downstream from a water closet must be vented by a separate vent or by back venting.

Each dwelling must have a clothes washer hook-up or a laundry sink. The standpipe for the washer must be no less than 18" or no greater than 30".

A backflow prevention device must be installed on all hose bibbs.

The first 12" of connections to the hot water heater must be of metal pipe.

No vent should terminate within 10 feet of any window or opening.

“S” traps are prohibited. They have been replaced by the use of “P” traps.

Type M and Type WM copper are prohibited.

Automatic and/or mechanical vents are prohibited.

Low-volume, 1.5 gallon toilets are required.

Scald guard protection is required on shower faucets.

All plumbing must be done in a good workmanship-like manner.

The attached drawings of plumbing installations are intended to help refresh your memory when you actually install the plumbing in your home. They are not designed to teach plumbing or replace a meeting with a State Plumbing Inspector. If you do not understand this material please consult with a technical advisor for assistance. If you do not have a technical advisor, you may wish to consider employing a licensed Delaware plumber.

Completed applications must be returned to the State Plumbing Inspectors as follows:

**KENT COUNTY**

Environmental Health Field Services  
Plumbing Inspection Program  
Williams State Service Center  
805 River Road

Dover, DE 19901

Phone: (302) 739-5305

Plumbing Inspectors:

Edward Cox

Lawson Losh

Daniel Yutzy

Office Hours: 8 to 9 AM

3:30 to 4:30 PM

**SUSSEX COUNTY**

Environmental Health Field Services  
Plumbing Inspection Program  
Georgetown State Service Center  
544 South Bedford Street

Georgetown, DE 19947

Phone: (302) 856-5122

Plumbing Inspectors:

Kenny Archer

Eric Fairbee

Larry Rickards

Ray Williams

Office Hours: 7 to 9 AM

4 to 5 PM

## **SECTION 111.5 UNLAWFUL ACTS - SECTION 108.1**

It shall be unlawful for any person to work as a licensed plumber in the State of Delaware unless such person has received a license from the Delaware Department of Administrative Services, Division of Professional Regulation, showing that said person has been duly licensed as a plumber, except as provided by 24 Delaware Code 1813, and has a permit issued by the Division of Public Health.

### **EXCEPTION**

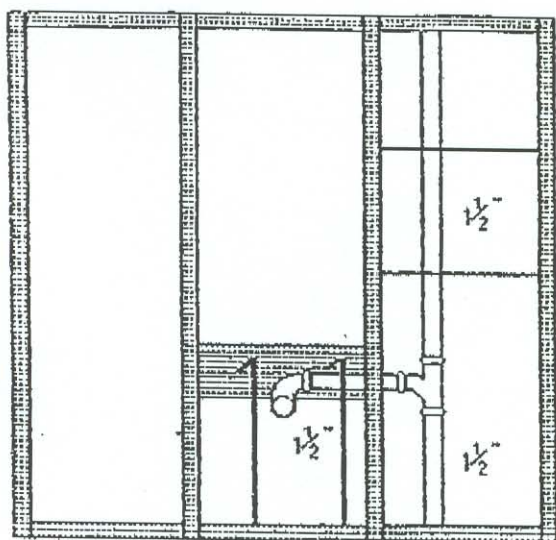
The homeowner of a single-family residence occupied, or to be occupied by him/her, and not for sale, rent or lease, may perform plumbing work only on such residences itself, and/or auxiliary structures, and in compliance with a permit issued by the Division of Public Health, or applicable authority, and in compliance with all provisions of these regulations.

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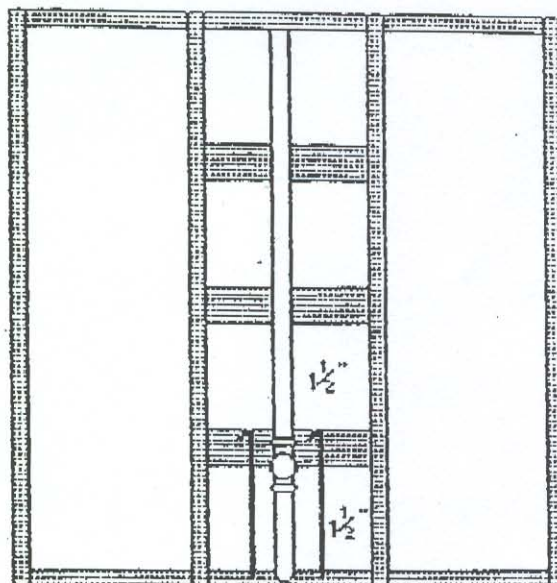
Signature of Homeowner

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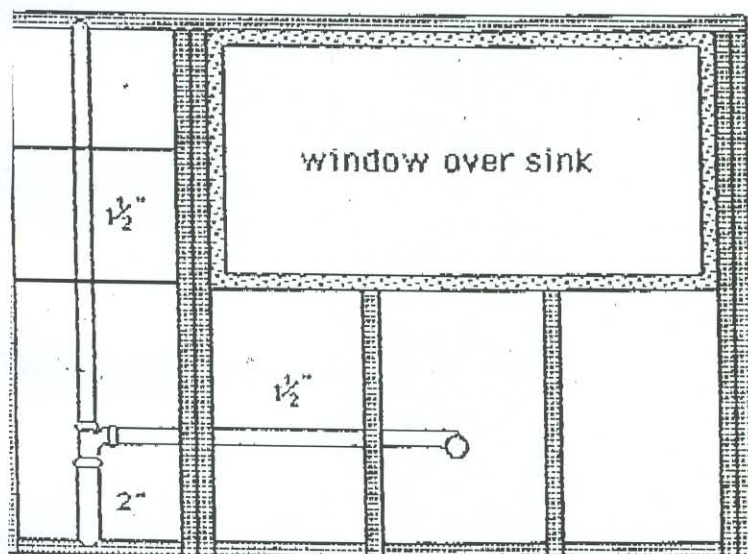
Date



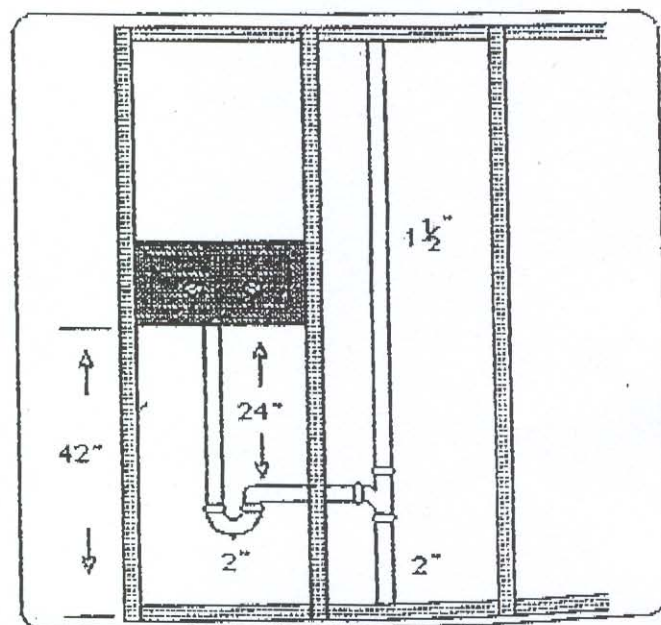
Vanity with recessed medicine cabinet



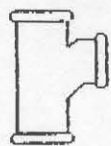
Vanity with surface mounted medicine cabinet



Typical kitchen sink installation



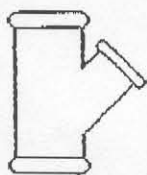
Clothes washer installation with guy gray box



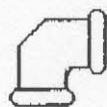
Sanitary Tee



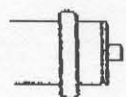
45°



Y Fitting



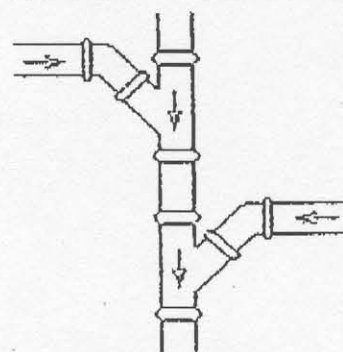
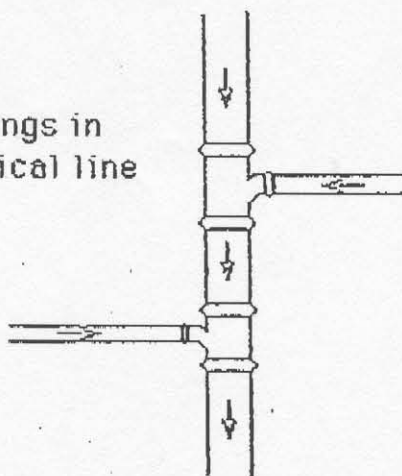
Elbow



Clean Out

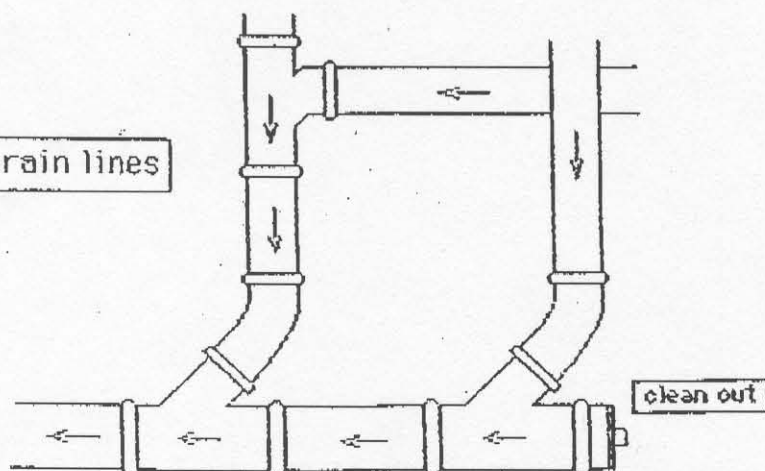
### Fittings

tee fittings in  
vertical line



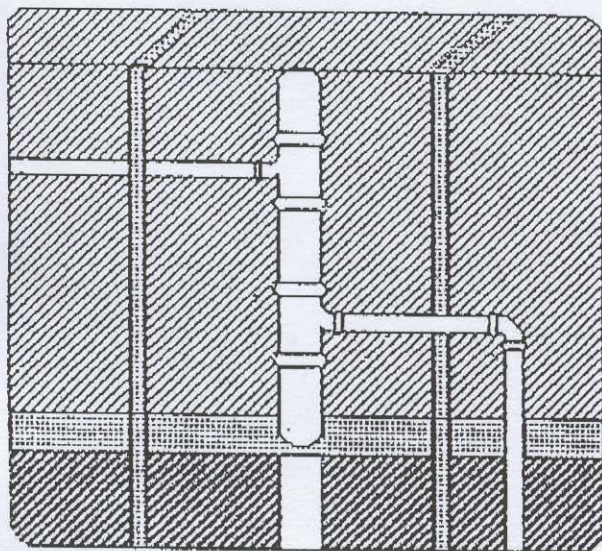
Use Y fittings with 45°s or  
sanitary tee fittings in a  
vertical run.

Drain lines



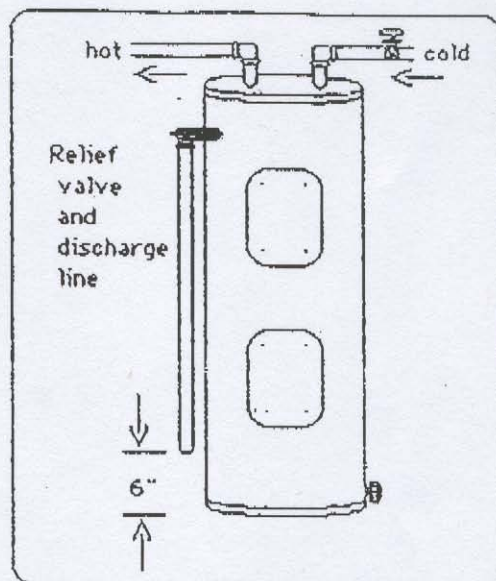
Always use Y fittings in a  
horizontal run and end  
with a clean out.





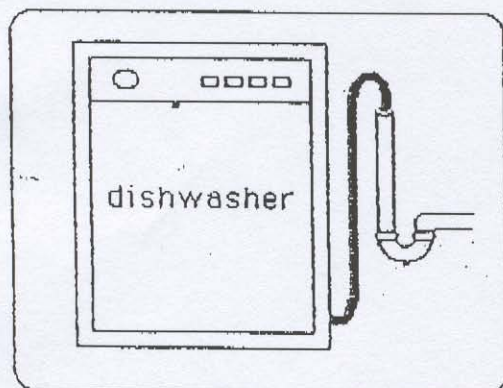
**Venting**

Vents tied into 3" main stack.  
Tee fittings are inverted on vents.



**Hot water heater**

The first 12" of hot and cold  
water lines must be metal.



An automatic dishwasher can drain  
into a trapped stand pipe that connects  
to the kitchen sink drain lines.